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| Application/Cont | rol No. |
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10/667,537 Examiner Applicant(s)/Patent under Reexamination
HECK ET AL.

Art Unit

Dung Lam

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| Claim   | Date          | D             |               |              | ~ I      | Cla         |          |   |              |          |          |        |          |          |          |              |          |      |          |               | 1            |          |          |
|---|---------------|---------------|---------------|--------------|----------|-------------|----------|---|--------------|----------|----------|--------|----------|----------|----------|--------------|----------|------|----------|---------------|--------------|----------|----------|
| 1   |               | <del></del> - | _             |              | "        | Ula         | _        |   | <del>)</del> | Date     |          |        | aim      | Cla      |          | _            | <u> </u> | Date | <u> </u> |               | <u> </u>     | aim      | Cla      |
| 102   103   104   105   105   106   107   108   109   100   110   111   112   103   113   114   105   116   115   116   117   118   118   118   118   119   120 |               |               |               |              | Original | Final       |          |   |              |          |          |        | Original | Final    |          |              |          |      |          |               | 10/18/05     | Original | Final    |
| 103   | ++            | 1             |               |              | 01       |             |          | 11                                      | _            | П        |          |        | 51       |          | $\sqcap$ |              | 一        | П    |          | $\dashv$      | -            | 1        |          |
| 4       104         5       105         6       106         7       107         8       107         10       107         58       109         10       10         60       110         11       60         12       111         62       112         13       64         15       65         66       115         16       66         17       66         18       68         19       69         20       70         21       71         22       73         23       73         24       74         25       75         26       77         78       126         29       79         30       80         31       81         32       82         33       83  |               |               |               |              | 102      |             |          |   |              |          |          |        |          |          |          |              |          |      |          |               | 1            | 2        |          |
| 5   105   106   107   107   108   109   100   110   111   |               |               | $\Box$        |              |          |             |          |   |              |          |          |        |          |          |          |              |          |      |          |               |              | 3        |          |
| 56  | $\perp$       |               | $\perp$       | Ш            |          |             |          |   | $\perp$      | Ш        |          |        |          |          |          |              |          |      |          |               | Ш            |          |          |
| 7       √       √       107       108       9       √       108       109       108       109       109       110       110       110       110       111       110       111   |               |               |               | Ш            |          |             |          |   |              |          |          |        |          |          |          |              |          |      |          |               | V            | _        |          |
| 8       —       108       109         10       √       60       110       110         11       —       61       111       111       111         12       √       62       1112       113       111       111       112       113       111       11       111       111       111       111       111       111 <t< td=""><td></td><td></td><td>_</td><td>Ш</td><td></td><td></td><td></td><td><math>\perp \perp</math></td><td><math>\perp</math></td><td>Ш</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>   |               |               | _             | Ш            |          |             |          | $\perp \perp$                           | $\perp$      | Ш        |          |        |          |          |          |              |          |      |          |               |              |          |          |
| 9 √       10 √         11 √       60         11 √       61         12 √       62         13 √       63         14 √       64         15       65         16       66         17       66         18       68         19       69         20       70         21       71         22       72         23       74         24       74         25       75         26       76         27       77         28       79         30       80         31       131         32       82         33       133  |               | $\dashv$      | _             | Щ            |          |             |          | $\perp$                                 |              | Ш        |          |        |          | <u> </u> | Ш        | $oxed{oxed}$ | _        |      |          | $\dashv$      | 1            |          |          |
| 10  | $+\!+\!$      | $\downarrow$  | _             | Ш            |          |             |          | $\perp \downarrow$                      |              |          | _        |        |          |          | Щ        | _            |          | Ш    |          |               |              |          |          |
| 11       —       61       111       112       112       112       112       113       114       115       113       114       113       114       115       115       116       115       116       115       116       116       116       117       117       118       118       118       118       118       118       119       120       120       120       121       122       122       122       122       122       122       123       123       123       123       124       124       125       126       126       127       127       128       129       130       130       131       131       131       131       131       132       133 </td <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>  '</td> <td><math>\perp</math></td> <td></td> <td>Ш</td> <td></td> <td></td> <td></td> <td></td> <td>Ц</td> <td><u> </u></td> <td></td> <td>Ш</td> <td></td> <td>_</td> <td>-</td> <td></td> <td></td>   |               |               | _             |              |          |             | '        | $\perp$                                 |              | Ш        |          |        |          |          | Ц        | <u> </u>     |          | Ш    |          | _             | -            |          |          |
| 12   V  |               | 4             | _             | Щ            |          |             | _        | $\perp$                                 | _            | Щ        |          |        |          |          | Щ        | <u> </u>     | _ _      | Ш    |          |               | 1            |          |          |
| 13       \$\forall  | +             | _             | 4             | Щ            |          |             | _        | +                                       | $\perp$      | Щ        | $\dashv$ | _      |          | <u> </u> | Щ        | $\vdash$     | _ _      | Щ    | -        | $\sqcup$      | _            |          | ļ        |
| 14 √       64       114       115         15       66       115       116         17       66       116       116         17       68       117       118         19       69       119       119         20       70       120       120         21       71       121       121         22       73       123       123         24       74       124       124         25       76       126       126         27       77       127       127         28       78       128       128         29       79       129       129         30       80       130       131         31       81       131       131         32       83       83       133  | ++            | $\dashv$      | 4             | $\vdash$     |          |             |          | +                                       | $\dashv$     | Н        |          |        |          | <u> </u> | Щ        | ╀-           | _ _      | Щ    | +        | $\sqcup$      | -            |          | <u> </u> |
| 15       65       115         16       66       116         17       67       117         18       68       118         19       69       119         20       70       120         21       71       121         22       72       122         23       73       123         24       74       124         25       75       125         26       76       126         27       77       127         28       79       128         29       79       129         30       80       130         31       81       131         32       82       132         33       133  | ++            |               | 4             | $\sqcup$     |          |             |          | 44                                      |              | Н        |          | -      |          |          | $\sqcup$ |              | _        | Н    | +        | $\dashv$      |              | -        | <u> </u> |
| 16       17       66       116       117         18       68       118       118       118         19       69       119       120       120         21       71       121       121       121       121         22       72       122       122       123       123       123       123       124       124       124       124       125       125       125       126       126       126       127       127       127       127       128       128       129       30       130       131       131       131       131       131       131       131       132       132       133   | ++            |               | -             | $\vdash$     |          |             |          |   | -            | Н        |          |        |          |          |          |              | _        | Н    | -        | _             | V            |          | <u> </u> |
| 17       18       67       117       118         19       68       118       118       119         20       70       120       120       120       121       121       121       121       122       122       122       122       123       123       123       123       124       124       124       124       124       125       125       125       126       126       127       127       127       127       128       128       128       128       129       30       130       31       131       131       131       131       131       131       132       132       133  | ++            | 4             |               | $\vdash$     |          | -           |          | +                                       |              | Н        |          | -      |          |          |          | ╀            | -        | Н    | +        | -             | $\vdash$     |          |          |
| 18       68       118         19       69       119         20       70       120         21       71       121         22       72       122         23       73       123         24       74       124         25       75       125         26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       133  | ++            | $\dashv$      | $\dashv$      | Н            |          |             | _        | +                                       | +            | Н        | -        |        |          | -        |          | 1            | $\dashv$ | Н    | -        |               | ⊢            |          |          |
| 19       69       119         20       70       120         21       71       121         22       72       122         23       73       123         24       74       124         25       75       125         26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       133  | +             | $\dashv$      | -             | Н            |          |             | $\dashv$ | +                                       | +            | Н        |          |        |          |          |          | -            | +        | Н    | +        | $\vdash$      | ⊢            |          |          |
| 20       70       120         21       71       121         22       72       122         23       73       123         24       74       124         25       75       125         26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       133  |               | +             | +             | Н            |          |             | -        | +                                       | _            | Н        | -        |        |          | -        | $\dashv$ | ┼─           |          | H    | +        | $\vdash$      | -            |          |          |
| 21       71       121         22       72       122         23       73       123         24       74       124         25       75       125         26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       133  | +-+           | $\dashv$      | $\dashv$      | $\vdash$     |          |             |          | ╅┵                                      | +            | Н        | +        | +      |          |          | -        | -            | -        | -    | -        | $\vdash$      |              |          |          |
| 22       72       122         23       73       123         24       74       124         25       75       125         26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       83       133   | ++            | $\dashv$      | -             | -            |          |             | -        | +                                       | +            | Н        | -        | +      |          | -        |          | ╁            |          | -    | -        | $\vdash$      | <del> </del> |          | <u> </u> |
| 23       73       123         24       74       124         25       75       125         26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       83       133   | ++            | $\dashv$      |               | -            |          | -           |          | +                                       | $\dashv$     | Н        |          |        |          |          | $\dashv$ | ╁            | $\dashv$ | H    | +        | $\vdash$      |              |          | _        |
| 24       74       124         25       75       125         26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       83       133   |               | -+            | _             | $\vdash$     |          |             | _        | +                                       | -            | Н        | _        | _      |          |          | $\dashv$ | ╁            | $\dashv$ | -    |          | Н             | ┢            |          |          |
| 25     75       26     76       27     77       28     78       29     79       30     80       31     81       32     82       33     133       33     83  | ++            | $\dashv$      | $\dashv$      |              |          | -           | $\dashv$ | +                                       |              | Н        |          |        |          |          | $\dashv$ | ╁╾           | -        | Н    | +        | -             | ┢┈           |          | -        |
| 26     76       27     126       28     77       28     78       29     128       30     80       31     81       32     82       33     133       33     83  |               | $\dashv$      | -             | $\vdash$     |          |             | -        | +                                       | +            | Н        |          |        |          | _        |          | ┼            | $\dashv$ | Н    | +        | $\vdash$      | ┝            |          | -        |
| 27     77     127       28     78     128       29     79     129       30     80     130       31     81     131       32     82     132       33     83     133   | ++            | $\dashv$      | -             | -            |          | -           | -        | +-+                                     |              | $\vdash$ |          |        |          |          | $\dashv$ | ╁            | -        | Н    |          |               | ┢╌           |          | -        |
| 28     78       29     79       30     80       31     81       32     82       33     83   | ++            | $\dashv$      | -             | Н            |          |             | $\dashv$ | +                                       | +            | Н        | +        |        |          | -        | -        | ╁            | $\dashv$ | H    | +        | $\rightarrow$ | ┢┈           |          | $\vdash$ |
| 29     79       30     80       31     81       32     82       33     83   | ++            | +             | $\dashv$      | $\vdash$     |          |             | $\dashv$ | +                                       | +            | Н        |          | _      |          | -        | $\dashv$ | ╁            |          | Н    | +        | $\dashv$      | ┢╌           |          | -        |
| 30     80       31     81       32     82       33     83   |               | 十             | 7             | $\vdash$     |          |             |          | $\pm$                                   | $\dashv$     | Н        | $\dashv$ | +      |          |          | =        | ╁            | _        | Н    | +        | $\vdash$      | ╁╌           |          | <u> </u> |
| 31 81 131 32 33 33 83 83 133 133 133 133 133 133 133  | +-+-          | _             | _             | $\Box$       |          | -           |          | $\dagger$                               | +            | Н        | _        | $\top$ |          |          |          | 1            |          | Н    | +        | $\vdash$      | ┢╌           |          | -        |
| 32 82 132 133 133 133 133 133 133 133 133 13  | $\pm \pm$     | $\dashv$      |               |              |          | $\neg \neg$ | _        | +-+                                     |              |          | $\dashv$ | +      |          |          | $\dashv$ | 1            | -+-      |      | +-       | $\vdash$      | H            |          | -        |
| 33 83 133   | 1             | $\dashv$      | 7             | Н            |          |             |          |   | +            | H        | $\top$   |        |          | 1        |          | 1            | _        |      | +        | $\vdash$      | $\vdash$     |          | <u> </u> |
|   | +             | $\dashv$      |               |              |          |             |          | +                                       |              |          | $\dashv$ |        |          |          |          | T            | _        |      |          |               | Ħ            |          |          |
| 34 84 134   | $\dashv$      | $\dashv$      | T             |              |          |             |          | 11                                      | _            | П        |          |        |          |          |          | 1            |          |      |          | $\vdash$      | $\vdash$     |          |          |
| 35 85 135   |               | T             | İ             |              |          |             |          |   |              | П        |          |        |          |          |          | 1            |          |      |          |               |              |          |          |
| 36 136  | $\top$        |               |               |              |          |             |          |   |              | П        |          |        |          |          |          |              |          |      |          |               |              |          |          |
| 37 87 137   | 7             |               |               |              |          |             |          | $\top$                                  |              | П        | $\top$   |        |          |          |          | T            |          |      |          | $\exists$     | 1            |          |          |
| 38 88 138   |               | _             |               |              | 138      |             |          |   | <u></u>      |          |          |        |          |          |          | 1            | $\neg$   | П    |          | $\Box$        |              |          |          |
| 39 89 139   |               |               |               |              |          |             |          |   |              |          |          |        |          |          |          |              |          |      |          |               |              |          |          |
| 40 90 140   |               |               |               |              | 140      |             |          |   |              |          |          | $\Box$ | 90       |          |          |              |          |      |          |               |              | 40       |          |
| 41 91 141   |               |               |               |              | 141      |             |          |   |              |          |          |        |          |          |          | $\Box$       |          |      |          |               |              | 41       |          |
| 42 92 142   |               | $\Box$        | J             |              |          |             |          |   | $\Box \Box$  |          |          |        |          |          |          |              |          |      |          |               |              | 42       |          |
| 43 93 143   | $\perp \perp$ | $\Box$        | $\Box$        | $\square$    |          |             |          |   | $\Box$       |          |          |        | 93       |          |          |              |          |      |          |               |              | 43       |          |
| 44 94 144 1   | $\perp \perp$ | $\Box$        | $\Box$        | $oxed{\Box}$ | 144      |             |          | $\prod$                                 |              |          |          |        |          |          |          |              |          |      |          |               |              |          |          |
| 45 95 145   | $\perp$       | [             | [             | Ш            |          |             | Щ        | ot                                      |              |          |          |        | 95       | ·        |          |              |          |      |          |               |              | 45       |          |
| 46 96 146   | $\bot \bot$   |               | $\perp$       | Ш            |          |             | Ш        | $\perp \perp$                           |              |          |          |        |          |          |          |              |          |      |          | $\Box$        | $\Box$       |          |          |
| 47 97 147   |               | [             | $\sqcup$      | Ш            |          |             | Ш        | $\perp$                                 |              | Ш        |          |        |          |          |          |              |          |      |          |               |              |          |          |
| 48 98 148   | $\bot \bot$   | $\perp$       | ightharpoonup | Ш            | 148      |             | Ш        | $\perp \perp$                           | $\perp$      | Ц        | $\perp$  |        |          |          | Ш        | _            |          | Щ.   |          |               | $oxed{oxed}$ |          |          |
| 49 99 149   | +             |               | _             | Ш            |          |             | Щ        | $\bot \bot$                             | $\dashv$     | Ш        |          |        |          |          | Ш        | ↓            | $\perp$  | Щ    |          | $\sqcup$      | Щ            | 49       |          |
| 50 100 150  |               |               |               |              | 150      |             |          | لــــــــــــــــــــــــــــــــــــــ | L            |          |          |        | 100      |          |          | <u></u>      |          |      |          |               | L _          | 50       |          |